PATENT Docket No. 416272061200 Client Ref. GOBR-200

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CHASE J. TROMBELLA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

V. CHANDLER et al.

Serial No.:

To Be Assigned

Filing Date:

Herewith

For:

GENETIC FUNCTIONS REQUIRED FOR GENE SILENCING IN MAIZE

Examiner: To Be Assigned

Group Art Unit: To Be Assigned

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98. Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted:

\times	With the application; accordingly, no fee or separate requirements are required.
	Within three months of the application filing date or before mailing of a first Office Action
	on the merits; accordingly, no fee or separate requirements are required.
	After receipt of a first Office Action on the merits but before mailing of a final Office
	Action or Notice of Allowance.
	A fee is required.
	A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached
	to this submission in duplicate.
	A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly; no fee
	is believed to be due.
	After mailing of a final Office Action or Notice of Allowance, but before payment of the
	issue fee. Accordingly, a Petition requesting consideration of the Information Disclosure
	Statement, an authorization to charge our deposit account, and a Certification under 37
	C.F.R. § 1.97(e) are provided herein.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 is to the best of my knowledge and is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing <u>416272061200</u>. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: October 5, 2001

Respectfully submitted,

By: Michael R. Ward

Registration No. 38,651

Morrison & Foerster LLP 425 Market Street

San Francisco, California 94105-2482

Telephone: (415) 268-6237 Facsimile: (415) 268-7522

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 416272061200	Application N
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Application Number To Be Assigned

Applicant

V. Chandler, et al.

Filing Date Herewith

Group Art Unit To Be Assigned

Mailing Date October 5, 2001

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
			FOREIGN I	PATENT DOCUMENT	TS		
Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

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Examiner Initials	Ref. No.	Title
	1. /	Amedeo, P. et al. "Disruption of the plant gene <i>MOM</i> releases transcriptional silencing of methylated genes" <i>Nature</i> 405 (2000): 203-206.
	2. ,	Chandler, V. L. "Paramutation: Allelic Interactions that Cause Heritable Changes in Transcription", Molecular Biology Meeting (Abstract), Queenstown, New Zealand (August 1998).
	3.	Chandler, V. L. "Epigenetic Control of Gene Expression in Plants", Symposium: Plant Physiology 2000 and Beyond: Breaking the Mold (Abstract #30002), Providence, Rhode Island (July 23, 2001).
	4.	Chandler, V. L. and K. J. Hardeman. "The Mu Elements of Zea mays" Adv. Genetics 30 (1992): 77-122.
	5.	Chandler, V. L. and H. Vaucheret. "Gene Activation and Gene Silencing" <i>Plant Physiol.</i> 125 (2001): 145-8.
	6.	Chandler, V. L. and V. Walbot. "DNA modification of a maize transposable element correlates with loss of activity" <i>Proc. Natl. Acad. Sci. USA</i> 83 (1986): 1767-71.
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	9.	Chandler, V. L. et al. "b and pl Paramutation in Maize: Heritable Transcription States Programmed during Development", Epigenetic Mechanisms of Gene Regulation, V.E.A. Russo et al. eds. (New York: Cold Spring Harbor Laboratory Press) (1996): 289-30.1

EXAMINER.

DATE CONSIDERED.

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) 10. Chandler, V. L. et al. "Mutants that p silencing" 46th International NIBB C 2001. 11. Chomet, P. et al. "Identification of a I Element System in Maize" Genetics 1 12. Cogoni, C. and G. Macino. "Isolation posttranscriptional transgene-induced USA 94 (1997): 10233-10238. 13. Dalmay, I. et al. "An RNA-Depender Posttranscriptional Gene Silencing M 543-553. 14. Dalmay, T. et al. "SDE3 encodes an I Arabidopsis" EMBO J. 20 (2001): 20 15. Dorweiler, J. E. et al. "Analysis of Pa Genetics Conference Program and All Structure" 40th Annual Maize Genetic (March 19-22, 1998): 7. 17. Dorweiler, J. E. et al. "Mediator of Paparamutation" 42nd Annual Maize Genetic (March 16-19, 2000): 97. 18. Dorweiler, J. E. et al. "mediator of paparamutation at Multiple Maize Loci" 19. Fagard, M. et al. "AGO1, QDE-2, an gene silencing in plants, quelling in fur USA 97 (2000): 11650-11654. 20. Fagard, M. and H. Vaucheret. "(Trans Rev. Plant Physiol. Plant Mol. Biol. 5 21. Finnegan, E. J. et al. "Reduced DNA development" Proc. Natl Acad. Sci. 6 22. Furner, I. J. et al. "Gene Silencing and	Filing Date Herewith	Group Art Unit To Be Assign	
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10.	silencing" 46th International NIBB C		
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24.	Goff, S. A. et al. "Functional analysis	s of the transcriptional activator	encoded by the maize B gene:

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EXAMINER. Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449			Docket Number 416272061200	Application Number To Be Assigned	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION			Applicant V. Chandler, et al.		
(Use several sheets if necessary)			Filing Date Herewith	Group Art Unit To Be Assigned	
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2	25.	Goff, S. A. et al. "Transactivation of an regulatory genes into maize tissues" Ea		ollowing transfer of B	
2	26.	Henikoff, S. and L. Comai. " <i>Trans</i> -Ser (1998): 329-332.	nsing Effects: The Ups and Dow	ns of Being Together" Cell 93	
2	27.	Hollick, J. B. "The rmr6 locus affects p Genetics Conference Program and Abs			
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3	32.	Hollick, J. B. and V. L. Chandler. "Genetic Requirements for the Heritable Suppression of a Paramutable pl Allele" 40th Annual Maize Genetics Conference Program and Abstracts, Lake Geneva, WI (March 19-22, 1998): 7.			
3	33.	Hollick, J. B. and M. P. Gordon. "A pot to wounding in transgenic tobacco" <i>Plate and March and </i>			
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3	38.	Holliday, R. et al. "Gene Silencing in Negulation, V.E.A. Russo et al. eds. (N. 59.			
3	39.	Jeddeloh, J.A. et al. "Maintenance of g Nature Genet. 22 (1999): 94-97.	enomic methylation requires a S	SWI2/SNF2-like protein"	
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	elinger, D. A. and V. L. Chandler. "Axpression, Contains a High Copy Re			

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Application Number To Be Assigned Form PTO-1449 Docket Number 416272061200 Applicant INFORMATION DISCLOSURE CITATION V. Chandler, et al. IN AN APPLICATION (Use several sheets if necessary) Filing Date Herewith Group Art Unit To Be Assigned Mailing Date October 5, 2001 58. Selinger, D. A. and V. L. Chandler. "Characterization of a tissue-specific gene silencing phenomenon involving B-Bolivia and CaMV 35S/B chimeric transgenes" 42nd Annual Maize Genetics Conference Program and Abstracts, Coure D'Alene, ID (March 16-19, 2000): 109. Selinger, D. A. et al. "The Maize Regulatory Gene B-Peru Contains a DNA Rearrangement That 59. Specifies Tissue-Specific Expression Through Both Positive and Negative Promoter Elements" Genetics 149 (1998):1125-38. Vaucheret, H. and M. Fagard. "Transcriptional gene silencing in plants: targets, inducers and 60. regulators" Trends Genet. 17 (2001): 29-35. 61. Vongs, A. et al. "Arabidopsis thaliana DNA Methylation Mutants" Science 260 (1993): 1926-1928.

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